

For a client seeking network resources from a network site, such as a web page, audio, visual, or other data, where the network site's desired network resources are also provided by mirroring network hosts, measurements are made to determine a communication efficiency between the client and the network site and mirroring network hosts. The client is then directed to communicate with the network site or a mirroring network host according to which had the highest measured communication efficiency with the client. In such fashion, real time adjustments can be made so as to more optimally distribute client network resource requests across all available sources of the desired network resources, and provide for real time load balancing and fail over of disabled hosts.

[illegible]